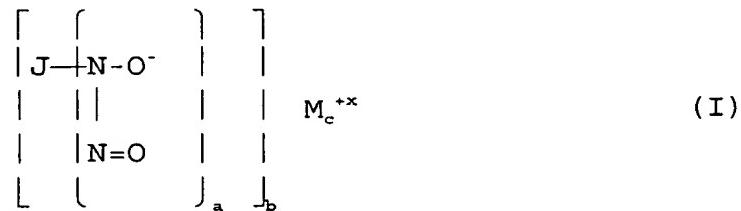


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comprising a [biopolymer] biopolymeric backbone wherein said backbone is of an oligonucleotide, a nucleic acid, a tissue-, cell-, or tumor-specific antibody or fragment thereof, a protein containing a recognition sequence for a receptor-ligand interaction favorable to tumor cell attachment, an anti-chemotactic agent, and a hormone, and at least one nitric oxide-releasing N₂O₂⁻ functional group [bound to said polymer] selected from the group consisting of X-N(O)NO or [N(O)NO]_x, wherein X is an organic moiety, covalently bonded to said [N₂O₂]_x, and wherein the [N₂O₂]_x group is covalently bonded in said polymeric composition through said organic moiety X.

5. (Amended) The polymeric composition of claim [4] 1, wherein said nitric oxide-releasing N₂O₂⁻ functional group is of the formula:



wherein J is an inorganic moiety or an organic moiety [or inorganic moiety] selected from the group consisting of C₁-C₁₂, aliphatic, C₂-C₈ cycloalkyl, benzyl, phenyl, substituted benzyl, substituted phenyl, benzylcarbonyl, phenylcarbonyl, substituted benzylcarbonyl, substituted phenylcarbonyl, C₁-C₁₂ acyl, and



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wherein R is C₁-C₁₂ aliphatic, C₂-C₈ cycloalkyl, benzyl, phenyl, substituted benzyl or substituted phenyl, and said substituted benzyl and substituted phenyl is substituted with one or two substituents selected from the group consisting of halogen, hydroxy, C₁-C₄ alkyl, C₁-C₄ alkoxy, amino, mono C₁-C₄ alkylamino, di C₁-C₄ alkyl-amino, phenyl and phenoxy. M⁺^x is a pharmaceutically acceptable cation, where x is the valence of the cation, a is [an integer of at least] one or two, and b and c are the smallest integers that result in a neutral compound.

In Claim 8, delete "4" and substitute -- 1 - therefor.

In Claim 9, delete "4" and substitute -- 1 - therefor.

In Claim 10, delete "4" and substitute -- 1 - therefor.

In Claim 11, delete "4" and substitute -- 1 - therefor.

In Claim 12, delete "4" and substitute -- 1 - therefor.

In Claim 13, delete "4" and substitute -- 1 - therefor.

In Claim 14, delete "4" and substitute -- 1 - therefor.

27. (Amended) A method of treating a biological disorder in a mammal in which dosage with nitric oxide is therapeutic, comprising administering to said mammal [the] a polymeric composition capable of releasing nitric oxide, said composition comprising a biopolymeric backbone wherein said backbone is of a